

Senior Research Fellow/Research Fellow (Robotics and
Machine Learning)
Nanyang Technological University

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Posted Oct. 7, 2025, set to expire May 6, 2026

Job Title	Senior Research Fellow/Research Fellow (Robotics and Machine Learning)
Department	School of Electrical and Electronic Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Oct. 7, 2025
Application Deadline	Open untill filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Electrical and/or Electronics
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Senior-Research-Fellow-Research-Fellow--Robotics-and-Machine-Learning-_R00022098
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Senior-Research-Fellow-Research-Fellow--Robotics-and-Machine-Learning-_R00022098
Apply By Email	
Job Description	

School of Electrical and Electronic Engineering is one of the founding Schools of the Nanyang Technological University. Built on a culture of excellence, the School is renowned for its high academic standards and research. With over 3,000 undergraduates students and 2,000 graduate students it is

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one of the largest EEE schools in the world and ranks 4th in the field of Electrical & Electronic Engineering in the 2025 QS World University Rankings by Subjects.

Today, the School has become one of the world's largest engineering schools that nurtures competent engineers and researchers. Each year, the School graduates over a thousand students who are ready to take on great ambitions and challenges.

For more details, please view: <https://www.ntu.edu.sg/eee>

We are looking for a Senior Research Fellow/Research Fellow(SRF/RF) to carry out research in robotics and machine learning by exploring cutting-edge approaches such as learning-based robot perception, adaptive control with reinforcement learning, multimodal sensor fusion, and safe human-robot collaboration. Emphasis will be on methods that enable robots to learn complex skills from data and adapt robustly to dynamic, uncertain environments. The role involves horizon-scanning for emerging research directions, synthesizing technical ideas, and drafting sections aligned with national priorities.

Key Responsibilities

- Conduct advanced research in robotics and machine learning, focusing on data-driven robot perception, adaptive control, sensor fusion, and safe human-robot interaction.
- Publish findings in top-tier journals/conferences.
- Assist in preparing competitive CRP research project grant proposals, including reviewing literature, shaping technical aims, and drafting relevant sections.
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Collaborate with faculty, research staff, and students on joint robotics and AI projects and support the supervision of graduate students.

- Engage with industry or academic partners when required to explore collaborative opportunities and contribute to project deliverables.

Job Requirements:

- PhD in Electrical and Electronic Engineering, Computer Science, or related field, with strong background in robotics and machine learning.
- At least 4 years of research experience in related area.
- Publications in top-tier journals and/or conference presentations as first author is highly preferred.
- Ability to work collaboratively in a fast-paced environment.
- Good written and oral communication skills.

We regret that only shortlisted candidates will be notified.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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Contact

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